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KNOBBE MARTENS OLSON & BEAR LLP			HOEL, MATTHEW D	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Sf

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/741,308	ALBANNA ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	Matthew D. Hoel	3714

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 05/02/2007.
- 2a) This action is FINAL.                  2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-67 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-67 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

1. Claims 1, 20, 36, 46, 56, and 65 are rejected under 35 U.S.C. 103(a) as being obvious over Sanderson, et al (U.S. patent 6,279,906 B1) in view of Lode (U.S. patent 3,828,345 A).

As to Claim 1: '906 teaches a system for use with a computer application configured to respond to first input data from a first input device (Nintendo 64 game console, Col. 3, Lines 45 to 60; game controller connector 18, Fig. 1), the first input device having a first format, as evidenced by the Top Gear Overdrive Instruction Booklet (downloaded from [www.replacementdocs.com](http://www.replacementdocs.com), Oct. 25<sup>th</sup>, 2006; release date of game established as 1998

by "Top Gear Overdrive" Wikipedia article, downloaded from [www.wikipedia.org](http://www.wikipedia.org), Oct. 25<sup>th</sup>, 2006). The Nintendo 64 standard controller mentioned in '906 Fig. 1 will have a standard input (Top Gear, Page 7 illustration of standard controller, control stick, control pad, A, B, and C buttons), so the standard game controller of a Nintendo 64 will have a first format, being zero or one for the buttons, and analog voltages for the control stick as it uses potentiometers. The gas and foot pedals of '906 have analog potentiometer voltages instead of the ones and zeroes for the switches of the standard Nintendo 64 controller, and so '906 has a second format (Col. 6, Lines 35 to 44). '906 has a second input device (Fig. 1), the first input device being the standard Nintendo 64 controller, the second input device including one or more sensors configured to measure movement of an object and creating second input device data representative of the movement of the object (steering wheel and pedal potentiometers, Col. 6, Lines 35 to 44), the second input device data having a different format than the first format (as previously discussed). '906 has a processor configured to convert the second input device data into simulated first input device data, the simulated first input device data having the first format, the processor further configured to provide the simulated first input device data to the computer application (analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12). The simulated first input device data is substituted in place of the first in place of the first input device data, thereby simulating the first input device with the second input device (controller interconnected with video game platform in accordance with specific electrical characteristics, Abst.; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12). '345, however, discusses a first

format with a first range of values and a second format with a second range of values, and using a conversion factor selected to correlate the first and second formats and ranges of values whereby the second range of values is converted into the first range of values (analog-to-digital converter with a DC input range or 0 to 10 V and an 8-bit output range of 00000000 to 11111111, with the most significant bit used as a sign bit, 1:61-2:37). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have applied the ranges and formats of '345 to the controllers of the '906 game. '906 discloses a control device comprising a plurality of potentiometers (6:35-44); these DC voltages would necessarily need to be converted into a digital format. '906 goes on to say that the voltages would be converted with techniques widely known in the art without elaborating (6:45-67). '345 is a parallel resistor network using DC voltages and is general enough in applicability to be suitable for an application such as that of '906. The advantage of this combination would be to accurately measure the input voltage into a range of binary digits suitable for use by a video gaming device.

2. As to Claim 20: '906 teaches a system for converting movement of an object from a first format into a second format that a computer application is configured to receive(analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12). '906 has a sensor unit including one or more sensors configured to measure movement of an object in one or more directions and create a signal representative of the movement of an object in a first format (steering wheel and pedal potentiometers, Col. 6, Lines 35 to 44). '906 has a transmitter configured to communicate the signal

(ISA bus connectors, Fig. 2). '906 has a user station having driver software configured to receive the signal, convert the signal into simulated input device data having the second format, and provide the simulated input data to the computer application (personality module with power conditioning circuit, Fig. 2; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12). The simulated input device data is substituted in place of an input device data having a second format (controller interconnected with video game platform in accordance with specific electrical characteristics, Abst.; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12; the first input device being the standard Nintendo controller as evidenced by Top Gear, Page 7). The new limitations of Claim 20 are considered to be obvious for the reasons outlined in the rejection of Claim 1.

3. As to Claim 36: '906 teaches a method of providing input to a computer application configured to receive first input device data having a first format. The Nintendo 64 standard controller mentioned in '906 Fig. 1 will have a standard input (Top Gear, Page 7 illustration of standard controller, control stick, control pad, A, B, and C buttons), so the standard game controller of a Nintendo 64 will have a first format, being zero or one for the buttons, and analog voltages for the control stick as it uses potentiometers. '906 creates second input device data representative of the movement of the object, the second input device data having a second format different than the first format. The gas and foot pedals of '906 have analog potentiometer voltages instead of the ones and zeroes for the switches of the standard Nintendo 64 controller, and so '906 has a second format different than the first format (Col. 6, Lines 35 to 44).

'906 measures movement of an object in one or more dimensions (steering wheel and pedal potentiometers, Col. 6, Lines 35 to 44). '906 converts the second input device data into simulated first input device data, the simulated first input device data having a first format (personality module with power conditioning circuit, Fig. 2; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12). '906 substitutes the simulated first input device data to the computer application in place of the first input device data, thereby simulating the first input device data (controller interconnected with video game platform in accordance with specific electrical characteristics, Abst.; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12; the first input device being the standard Nintendo controller as evidenced by Top Gear, Page 7). The new limitations of Claim 36 are considered to be obvious for the reasons outlined in the rejection of Claim 1.

4. As to Claim 46: '906 teaches a system of providing input to a computer application configured to receive first input device data having a first format. The Nintendo 64 standard controller mentioned in '906 Fig. 1 will have a standard input (Top Gear, Page 7 illustration of standard controller, control stick, control pad, A, B, and C buttons), so the standard game controller of a Nintendo 64 will have a first format, being zero or one for the buttons, and analog voltages for the control stick as it uses potentiometers. '906 has means for measuring movement of an object in one or more directions (steering wheel and pedal potentiometers, Col. 6, Lines 35 to 44). '906 has means for creating second input device data representative of the movement of the object, the second input device data having a second format different than the first

format. The gas and foot pedals of '906 have analog potentiometer voltages instead of the ones and zeroes for the switches of the standard Nintendo 64 controller, and so '906 has a second, different, format (Col. 6, Lines 35 to 44). '906 has means for converting the second input device data into simulated first input device data, the simulated first input device data having the first format (personality module with power conditioning circuit, Fig. 2; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12). '906 has means for providing the simulated first input device data to the computer application, wherein the simulated first input device data is substituted in place of the first input device data, thereby simulating the first input device with the second input device (controller interconnected with video game platform in accordance with specific electrical characteristics, Abst.; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12; the first input device being the standard Nintendo controller as evidenced by Top Gear, Page 7). The new limitations of Claim 46 are considered to be obvious for the reasons outlined in the rejection of Claim 1.

5. As to Claim 56: '906 teaches a method for replicating first input device data of a first input device, the first input device having a first format, to a computer application, to control movement of a graphical representation of an object (Abst., Fig. 1; the Nintendo 64 standard controller mentioned in '906 Fig. 1 will have a standard input (Top Gear, Page 7 illustration of standard controller, control stick, control pad, A, B, and C buttons), so the standard game controller of a Nintendo 64 will have a first format, being zero or one for the buttons, and analog voltages for the control stick as it uses potentiometers). '906 measures movement of the object with a second input device (steering wheel and

pedal potentiometers, Col. 6, Lines 35 to 44). '906 creates an electronic signal representative of the movement of the object, the electronic signal having a second format different from the first format. The gas and foot pedals of '906 have analog potentiometer voltages instead of the ones and zeroes for the switches of the standard Nintendo 64 controller, and so '906 has a second, different, format (Col. 6, Lines 35 to 44). '906 translates the electronic signal into replicated first input data having the first format (personality module with power conditioning circuit, Fig. 2; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12). '906 makes the replicated first input device data available to the computer application, wherein the replicated first input device data is submitted in place of the first input device data, thereby replicating first input device data from the first input device with replicated first input device data from the second input device (controller interconnected with video game platform in accordance with specific electrical characteristics, Abst.; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12; the first input device being the standard Nintendo controller as evidenced by Top Gear, Page 7). The new limitations of Claim 56 are considered to be obvious for the reasons outlined in the rejection of Claim 1.

6. As to Claim 65: '906 teaches a computer readable medium comprising code (memory circuit, Fig. 1) for configuring a processor to provide simulated input device data to a computer application (controller, Fig. 1), the computer application configured to control a graphical representation of an object in response to input device data (Abst.). '906 translates a signal into the simulated input device data, the signal

representing physical movement of the object, the signal having a signal format incompatible with the computer application and the simulated input device data compatible with the computer application (personality module with power conditioning circuit, Fig. 2; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12). '906 substitutes the simulated input device data in place of the input device data, thereby simulating the input device data (controller interconnected with video game platform in accordance with specific electrical characteristics, Abst.; analog information converted to digital format, Col. 6, Line 45 to Col. 7, Line 12; the first input device being the standard Nintendo controller as evidenced by Top Gear, Page 7). The new limitations of Claim 65 are considered to be obvious for the reasons outlined in the rejection of Claim 1.

7. Claims 1, 5-10, 15-17, 36-38, 43-48, 51, 53-58, 60, 61 and 63-67 are rejected under 35 U.S.C. 103(a) as being obvious over Matsuyama et al., U.S. Patent No. 6,767,282 B2 in view of Geen, et al. (U.S. patent 4,764,748 A). Matsuyama discloses a system and method for use with a computer application configured to respond to first input device data from a first input device. The first input device has a first format (See Matsuyama Figs. 1, 2; col. 10 lines 9-15). For example the first input device are the buttons on the gaming machine and have a digital format. A second input device, different than the first input device includes one or more sensors configured to measure movement of an object in one or more directions and creates second input device data representative of the movement of the object. The second input device data has a

second format different than the first format (See Matsuyama Figs. 1, 3, 4; col. 10 lines 15-50). A processor is configured to convert the second input device data into simulated first input device data. The simulated first input device data has the first format, the processor is further configured to provide the simulated first input device data to the computer application, thereby simulating the first input device with the second input device (See Matsuyama col. 45-50) [claims 1, 20, 36, 46, 56, 65]. For example, the golf club input device data is analog and has to be converted to digital data. The computer application is a video game (See Matsuyama abstract) [claims 5, 23, 41, 51, 67]. The first input device is one of the following devices: a mouse, a joystick, or a keyboard, and the fist input device is mouse controller input data, joystick controller input data, or keyboard input data (See Matsuyama Fig. 2; col. 10 lines 9-15) [claims 6, 66]. The object is a golf club and the second input device is attached to the golf club (See Matsuyama Fig. 2; col. 11 lines 53-67) [claims 7, 25, 43, 53, 60]. The object can also be a system user's arm and the second input device is attached to the system user's arm (See Matsuyama Fig. 2) [claims 8, 26]. For example, the player holds the club with his hand, which is attached to his arm. The one or more sensors are accelerometers and are configured to measure the acceleration and angle of the object in one or more directions and the second input device data is representative of the acceleration and angle of the object (See Matsuyama Fig. 1; col. 3 lines 51-61) [claims 9, 27, 37]. The acceleration of the object is measured directly from the one or more accelerometers and the angle of the object is computed by the sensor firmware (See Matsuyama col. 2 lines 20-23) [claims 10, 28, 38, 47, 48, 58]. Driver software is

configured to convert the second input device data into simulated first input device data (See Matsuyama Fig. 1; col. 10 lines 45-50) [claim 15]. The one or more sensors indicate multiple potential positions and directions of the object at a given time and the processor determines in which of the multiple potential positions and directions the object is located (See Matsuyama Figs. 6 & 7; col. 10 lines 15-50) [claim 16, 33, 44, 47, 54, 63]. The object is a golf club and the multiple potential positions include potential locations of the golf club in multiple quadrants of 90 degrees (See Matsuyama Figs. 6 & 7; col. 10 lines 15-50) [claims 17, 34, 45, 55, 65]. Measuring the acceleration angle of the object in one or more directions includes creating an electronic signal representative of the acceleration and angle of the object (See Matsuyama col. 10 lines 15-50) [claim 58]. Data is received from the computer application (See Matsuyama Fig. 13) [claim 61]. A computer readable medium comprises code to configure a processor to perform the aforementioned limitations (See Matsuyama col. 9 lines 44-50) [claim 66]. In another reasonable interpretation of Matsuyama, the first input device is the virtual golf club (Col. 2, Lines 32 to 50; Col. 3, Lines 3 to 13; Col. 5, Lines 7 to 13; Col. 6, Lines 28 to Col. 7, Line 4), substituted by the real input device. The virtual first input device has positions and angles in virtual space, constituting first input device data in a first format (Col. 5, Lines 7 to 14). The second input device data in a second data format (measured angles and accelerations, Col. 10, Lines 36 to 40). The second input device data are converted into the first input device data format (Steps 3-1-1 and 3-1-2, Col. 12-14, Figs. 6 and 7). The examiner also notes that the claims do not require the first input device to actually measure movement, so this interpretation of the claims for the

first input device being a virtual one is a fair rejection of the independent claims.

Regarding the new limitations of Claims 1, 36, 46, 56, and 65: '748, however, discloses a first format with a first range of values and a second format with a second range of values different than the first, along with a conversion factor selected to correlate the first and second formats and ranges of values whereby the second range of values is converted into the first range of values (11-bit ADC, 2:58-64; amplifier 6 which would inherently have a gain as there is a feedback resistor 8 in the circuit, Fig. 1; ADC has range of values, 8:13-63, especially 8:13-24 & 8:57-63). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have applied the ranges and formats of '748 to the gaming system of Matsuyama ('282). '282 in Fig. 1 teaches an input device containing an accelerometer with an output signal running into ADC 71. The 11-bit ADC of '748 would have the effect and advantage of allowing the input device of '748 to accurately model the golf player's simulated swing as 11 bits offers high resolution ( $2^{11}$  possible positions).

8. **Claims 42, 52 and 62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuyama and Geen.** Matsuyama lacks in specifically disclosing a mouse controller. It would have been obvious to one of ordinary skill in the art to have the first input device data be mouse controller input data where the mouse controller input data is not representative of the movement of the object and wherein the replicated first input device data is replicated mouse controller data representative of the movement of the object [claims 24, 42, 52, 62]. The use of a mouse as an input device

in video games is common. Therefore one could have used a mouse in the invention of Matsuyama to substitute for the buttons. At the time the invention was made, it would have been an obvious matter of design choice to a person of ordinary skill in the art to use a mouse in the invention of Matsuyama because Applicant has not disclosed that a mouse provides an advantage, is used for a particular purpose, or solves a stated problem. One of ordinary skill in the art, furthermore, would have expected Matsuyama's game and applicant's invention to perform equally well with buttons or a mouse because both mice and buttons are selection devices. Therefore, it would have been *prima facie* obvious to modify Matsuyama to obtain the invention specified because such a modification would have been considered a mere design consideration, which fails to patentably distinguish over the prior art of Matsuyama.

**9. Claims 2-4, 11, 12, 20-30, 33 and 34 rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuyama and Geen in view of Woolston, U.S. Patent No. 6,162,123.** Matsuyama and Geen disclose all of the limitations mentioned above. Matsuyama and Geen lack in disclosing a transmitter or transceiver. Woolston discloses a wireless input device for a video game. The input device has a transmitter configured to communicate second input device data to a processor (See Woolston Fig. 10; col. 3 lines 55-67) [claims 2, 20]. The device also has a receiver configured to allow for two-way communication of data between the second input device and the processor (See Woolston col. 3 lines 55-67) [claims 3, 12, 21, 30]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a transceiver instead of a transmitter and a separate receiver. Transceivers are well known

throughout the art and provide dual roles as both a transmitter and receiver. Sensor firmware is configured to recognize that data is being sent from the processor to the second input device (See Woolston col. 2 lines 35-54) [claims 4, 22]. It would have been obvious to one of ordinary skill in the art to use a transceiver in the invention of Matsuyama. By having a wireless input device, the player is not restricted as much in their movement. Furthermore, data can be sent back to the input device so that the player feels tactile feedback, which provides a more realistic gaming experience. The second input device sends calibration data for the accelerometers to the processor to facilitate calculation of the angle of the object (See Matsuyama col. 11 lines 61-67; col. 12 lines 1-7) [claims 11, 12, 29, 30]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to send calibration data to the processor so that it can properly calculate the angle of the object. Without calibration data, the calculations would have no reference point and the calculated values would not accurately represent the movements of the input device. The new limitations of Claim 20 are considered obvious for the reasons outlined in the rejections of Claims 1, 36, 46, 56, and 65 above.

**10. Claims 13, 14, 31, 32, 39, 40, 49, 50 and 59 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuyama and Geen in view of Yasue et al., U.S. Patent No. 6,189,053 B1.** Matsuyama and Geen lack in disclosing assembling the data into data frames. Yasue et al. teaches of a processor configured to assemble data into data frames to communicate to the processor (See Yasue col. 6 lines 51-60) [claims 13, 31, 39]. It would have been obvious to one of ordinary skill in the art at the

time the invention was made to have a sensor processor configured to assemble the second input device data into data frames to communicate to the processor configured to convert the second input device data where each data frame includes acceleration and angle measurements for the object in Matsuyama [claims 14, 32, 40, 49, 50, 59]. The use of data frames to organize data is well known throughout the art. The data frames provide organization to the data and make it easier to use.

**11. Claims 18 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuyama and Geen in view of Childs et al., U.S. Patent No. 5,623,545.**

Matsuyama and Geen lack in disclosing dividing up the data into smaller portions. Childs et al. discloses software that is configured to receive a certain amount of data at a given time and the processor divides the data into multiple smaller portions to provide to the computer application (See Childs col. 3 lines 53-49) [claims 18, 35]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to divide the data into smaller portions before providing it to the computer application. Smaller portions of data are easier to use and dividing data into small portions is well known throughout the art.

**12. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuyama and Geen in view of Lum et al., U.S. Patent Application Publication No. 2004/0224763 A1.** Matsuyama and Geen lack in disclosing the processor having two modes. Lum et al. teaches of a processor that has a first and a second mode. In the first mode a first movement results in a first simulated input resulting in a first movement of a game character. In the second mode the first movement results in a

second simulated input resulting in a second movement of the game character (See Lam ¶0007-¶0010) [claim 19]. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the processor in Matsuyama have two modes for game character movement. By having two modes the processor can process data in two different formats, thereby, allowing controllers with different formats to be used to play the game machine. Consequently, a player can use the controller in which they prefer for game play.

***Response to Arguments***

13. Applicant's arguments with respect to claims 1 to 67 have been considered but are moot in view of the new ground(s) of rejection. The references previously cited would have inherently had to convert the analog formats from the input devices somehow into digital format, so the newly cited limitations represent no non-obvious improvement over the prior art. The examiner respectfully disagrees with the applicants as to the claims' condition for allowance.

***Citation of Pertinent Prior Art***

14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Nintendo 64™ Instruction Booklet, downloaded from [www.replacementdocs.com](http://www.replacementdocs.com), Oct. 25<sup>th</sup>, 2006 is considered to be relevant. The Wikipedia article "Top Gear Overdrive," downloaded from [www.wikipedia.org](http://www.wikipedia.org) on Oct. 25<sup>th</sup>, 2006 is considered to be relevant, as it establishes the Top Gear release date of

1998. The Wikipedia article “Nintendo 64,” downloaded from [www.wikipedia.org](http://www.wikipedia.org) on Oct. 25<sup>th</sup>, 2006 is considered to be relevant as it establishes a release date of 1996. Wang in U.S. patent 6,098,130 A teaches a converter that converts a signal from standard joystick using traditional PC game port signals into a USB signal, in effect allowing the joystick to act as a second input device with a second input format to simulate a first input device with a first input format (namely a USB-native joystick, the first format being USB).

### ***Conclusion***

15. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew D. Hoel whose telephone number is (571) 272-5961. The examiner can normally be reached on Mon. to Fri., 8:00 A.M. to 4:30 P.M.
17. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert E. Pezzuto can be reached on (571) 272-6996. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
18. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Matthew D. Hoel, Patent Examiner

AU 3714



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